

IN THE CLAIMS:

Please amend the following claims:

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1. (Amended) A plasma picture screen, comprising:  
a front plate;  
a back plate;  
a plurality of gas-filled plasma cells arranged between  
the front and back plates and separated by partitioning walls;  
and  
a plurality of electrodes on the front plate and the  
back plate for generating corona discharges,  
wherein the front plate includes a glass plate on which  
a dielectric layer, a protective layer and a UV light reflecting  
layer are provided, the protective layer is between the  
dielectric layer and the UV light reflecting layer.

2. (Amended) A plasma picture screen as claimed in claim  
1, wherein the UV light reflecting layer includes oxides of the  
composition  $M_2O$ , such as  $Li_2O$ , or oxides of the composition  $MO$ ,  
with M chosen from the group Mg, Ca, Sr, and Ba, or oxides of the  
composition  $M_2O_3$ , with M chosen from the group B, Al, Sc, Y, and  
La, or oxides of the composition  $MO_2$ , with M chosen from the

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group Si, Ge, Sn, Ti, Zr, and Hf, or oxides of the composition  $M'M''_2O_4$ , with M' chosen from the group Mg, Ca, Sr, and Ba, and M'' chosen from the group Al, Sc, Y, and La, or fluorides of the composition MF, with M chosen from the group Li, Na, K, Rb, Cs, and Ag, or fluorides of the composition  $MF_2$ , with M chosen from the group Mg, Ca, Sr, Ba, Sn, Cu, Zn, and Pb, or fluorides of the composition  $MF_3$ , with M chosen from the group La, Pr, Sm, Eu, Gd, Yb, and Lu, or fluorides of the composition  $M'M''F_3$ , with M' chosen from the group Li, Na, K, Rb, and Cs, and M'' chosen from the group Mg, Ca, Sr, and Ba, or phosphates of the composition  $M_3PO_4$ , with M chosen from the group Li, Na, K, Rb, and Cs, or phosphates of the composition  $M_3(PO_4)_2$ , with M chosen from the group Mg, Ca, Sr, and Ba, or phosphates of the composition  $MPO_4$ , with M chosen from the group Al, Sc, Y, La, Pr, Sm, Eu, Gd, Yb, and Lu, or phosphates of the composition  $M_3(PO_4)_4$ , with M chosen from the group Ti, Zr, and Hf, or metaphosphates with a chain length n of between 3 and 9 and the composition  $(M_xPO_3)_n$ , with  $x = 1$  if M is chosen from the group Li, Na, K, Rb, and Cs,  $x = \frac{1}{2}$  if M is chosen from the group Mg, Ca, Sr, Ba, Sn, Cu, Zn, and Pb,  $x = \frac{1}{3}$  if M is chosen from the group Al, Sc, Y, La, Pr, Sm, Eu, Gd, Yb, and Lu, and  $x = \frac{1}{4}$  if M is chosen from the group Ti, Hf, and Zr, or polyphosphates with a chain length n between  $10^1$  and  $10^6$  and the composition  $(M_xPO_3)_n$ , with  $x = 1$  if M is chosen from the

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group Li, Na, K, Rb, and Cs,  $x = \frac{1}{2}$  if M is chosen from the group Mg, Ca, Sr, Ba, Sn, Cu, Zn, and Pb,  $x = \frac{1}{3}$  if M is chosen from the group Al, Sc, Y, La, Pr, Sm, Eu, Gd, Yb, and Lu, and  $x = \frac{1}{4}$  if M is chosen from the group Ti, Hf, and Zr, or primary phosphates of the composition  $MH_2PO_4$ , with M chosen from the group Li, Na, K, Rb, and Cs, or  $NH_4H_2PO_4$ , or diamond.

3. (Amended) A plasma picture screen as claimed in claim 1, wherein the UV light reflecting layer includes particles with a particle diameter of between 200 nm and 500 nm.

4. (Amended) A plasma picture screen as claimed in claim 3, wherein the UV light reflecting layer has a thickness of 0.5  $\mu\text{m}$  to 5  $\mu\text{m}$ .

5. (Amended) A plasma picture screen as claimed in claim 1, wherein the UV light reflecting layer comprises agglomerates of particles having particle diameters of between 10 nm and 200 nm.

6. (Amended) A plasma picture screen as claimed in claim 5, wherein the UV light reflecting layer has a thickness of 0.2  $\mu\text{m}$  to 10  $\mu\text{m}$ .